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A. Pashayev
Kazakh, Azerbaydzhan SSR

To eliminate this difficulty, the hot-cathode rectifiers were replaced with UO-186 tubes. For this purpose, 11 additional turns were added to the secondary filament winding of the transformer, and the grid pins of the UO-186 tubes were sawed off. Six of these tubes were employed in place of the two VG-129 hot-cathode rectifiers (Two parallel banks of three tubes each for full-wave rectification). On the plates of the amplifier tubes 1,200 volts were used. After this substitution, the apparatus began to operate very well. Normal audibility was obtained and fluctuations in the line voltage had almost no effect on the operation of the radio center. One set of tubes will last from 6 to 9 months.

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